

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Arne Freyberger, David Kashy

DATE: Aug 17, 2000

FROM: Jim Dahlberg

Checked: # B623

DETAILS:

Below are the results of the Hall B polarized target survey performed on Aug 16, 2000. The X and Y position is relative to the incoming beam line and the Z position is relative to the center of CLAS. The accuracy of the survey is estimated to be within 1 mm for X and Y, and within 3 mm for Z. Note that the ideal target position is 1.7 mm high and 1.2 mm to the beam right to correct for target movement during cool down (see DT B619). The target was rolled upstream and then repositioned against the Z stop to check for repeatability, the differences were negligible. A negative X value is to the right looking downstream and a positive Y value is high.

	As set position with respect to ideal beam.	Ideal position allowing for cool down.	Δ
X :	-1.5mm	-1.2mm	-0.3
Y :	+1.7mm	+1.7mm	0.0

Z : 3.0 mm upstream from ideal position of 550.0 mm upstream.